

Converting Colors

Yxy(33.2414, 0.3368, 0.2083)

Have a look what the booklet for
Yxy(33.2414, 0.3368, 0.2083)
contains.

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Color

Yxy(33.3019, 0.3370, 0.2083)

Conversions

Conversions Part 1

Format	Color
Hex	F066DE
RGB	240, 102, 222
RGB Percent	94%, 40%, 87%
CMY	0.0587, 0.6001, 0.1294
CMYK	0.00, 0.58, 0.08, 0.06
HSL	308°, 82%, 67%
HSV	308°, 58%, 94%
XYZ	53.8778, 33.3019, 72.6950
YIQ	156.9420, 43.7280, 66.5760

Conversions

Conversions Part 2

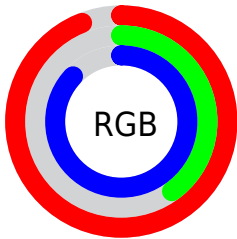
Format	Color
R _Y B	240, 102, 222
Decimal	15754974
CIE Lab	64.40, 67.23, -36.17
CIE LCh	64, 76.345, 331.718
Yxy	33.3019, 0.3370, 0.2083
Android (android.graphics.Color)	4293945054 (0xFFFF066DE)
YUV	156.9420, 32.0736, 72.8419
Hunter-Lab	57.7078, 65.6644, -34.2927

Details

The Yxy color **33.3019, 0.3370, 0.2083** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **66.5162, 0.2964, 0.4925**, and the grayscale version is **33.5267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **14.0945, 0.3415, 0.1803** is the 20% darker color. If you saturate the color by 10%, you get **29.0835, 0.3421, 0.1934**, and if you desaturate by 10%, it is **38.8918, 0.3320, 0.2265**.

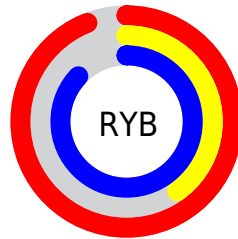
Distribution



Red (94%)

Green (40%)

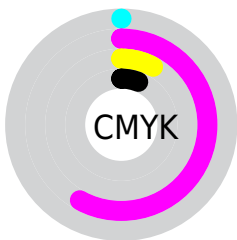
Blue (87%)



Red (94%)

Yellow (40%)

Blue (87%)

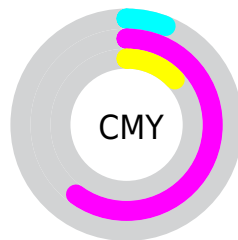


Cyan (0%)

Magenta (58%)

Yellow (8%)

Black (6%)



Cyan (6%)


Magenta (60%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3019, 0.3370, 0.2083 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 33.3019, 0.3370, 0.2083 by changing the saturation by 10% instead.


 33.3019, 0.3370,
0.2083


 33.3019, 0.3370,
0.2083


317.0079, 0.3271,
0.2646

 22.3578, 0.3388,
0.1956


 64.8466, 0.3339,
0.2278


 14.1201, 0.3407,
0.1800


 86.2160, 0.3326,
0.2354

 8.2042, 0.3427,
0.1606


 111.8293, 0.3314,
0.2420

 4.2259, 0.3444,
0.1361

 142.0708, 0.3304,
0.2477

 1.8007, 0.3448,
0.1047

177.3251, 0.3295,
0.2527

 0.4876, 0.3435,
0.0589

217.9764, 0.3286,

 0.0000, 0.3317,

0.2571

0.0000

264.4092, 0.3278,
0.2611

■ 0.0000, 0.0004,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.3019, 0.3370,
0.2083

■ 33.3019, 0.3370,
0.2083

■ 29.0835, 0.3421,
0.1934

■ 38.8918, 0.3320,
0.2265

■ 26.1103, 0.3472,
0.1827


■ 45.9556, 0.3272,
0.2469


■ 24.2409, 0.3520,
0.1764


■ 54.5913, 0.3227,
0.2687


■ 23.2860, 0.3564,
0.1745


■ 64.8871, 0.3187,
0.2910


 23.1177, 0.3575,
0.1743

 76.9249, 0.3151,
0.3130

 90.7808, 0.3120,
0.3342

 96.5781, 0.3098,
0.3399

 96.7701, 0.3080,
0.3368

 96.9653, 0.3062,
0.3337

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.3019, 0.2289, 0.1734



33.3019, 0.3370, 0.2083



33.3019, 0.4589, 0.2658

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.3019, 0.3370, 0.2083



33.3019, 0.4588, 0.4924



33.3019, 0.1327, 0.2601

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.3019, 0.3370, 0.2083



66.5162, 0.2964, 0.4925

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.3019, 0.1737, 0.3854



33.3019, 0.3370, 0.2083



33.3019, 0.3609, 0.5493

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.3019, 0.3370, 0.2083



33.3019, 0.5271, 0.4117



33.3019, 0.2569, 0.5162



33.3019, 0.1301, 0.1905

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.3019, 0.3370, 0.2083



33.3019, 0.5174, 0.3114



33.3019, 0.2569, 0.5162



33.3019, 0.1416, 0.2961

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.3035, 0.3370, 0.2083



75.0329, 0.3185, 0.2920



19.6502, 0.2112, 0.1484



15.5128, 0.3193, 0.2875



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.3035, 0.3370, 0.2083



32.6867, 0.3430, 0.1913



30.3927, 0.4184, 0.2729



15.9938, 0.3158, 0.3087



12.6659, 0.3569, 0.1740



1.0635, 0.3514, 0.1710

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.3035, 0.3370, 0.2083



32.6867, 0.3430, 0.1913



68.7525, 0.2648, 0.3990



15.9938, 0.3158, 0.3087



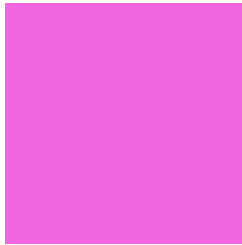
12.6659, 0.3569, 0.1740



1.0635, 0.3514, 0.1710

Previews

White Background



This preview shows how the Yxy color 33.3019, 0.3370, 0.2083 looks on a white background.

Color Contrast Check

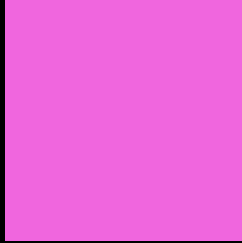
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 33.3019, 0.3370, 0.2083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

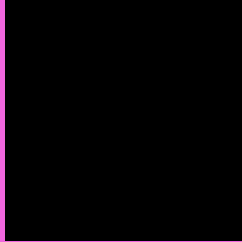
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.3019, 0.3370, 0.2083

Background



This preview shows how black text looks on a background with the Yxy color 33.3019, 0.3370, 0.2083.

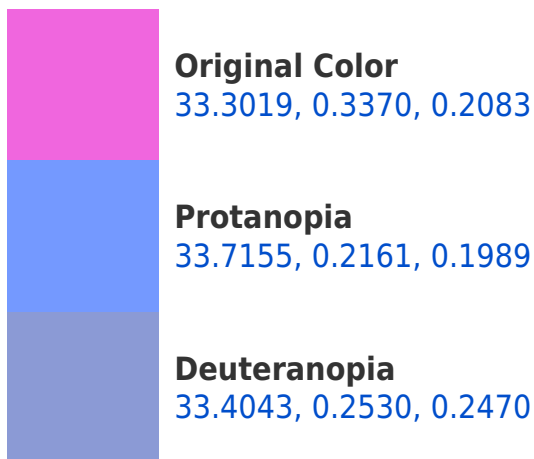


This preview shows how white text looks on a background with the Yxy color 33.3019, 0.3370, 0.2083.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

33.2115, 0.4252, 0.3190

Trichromacy



Original Color

33.3019, 0.3370, 0.2083



Protanomaly

31.0983, 0.2475, 0.1953



Deuteranomaly

31.5159, 0.2794, 0.2260



Tritanomaly

32.9682, 0.3928, 0.2745

Monochromacy



Original Color

33.3019, 0.3370, 0.2083



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

31.7923, 0.3217, 0.2707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3019, 0.3370, 0.2083 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(240, 102, 222)` looks like.

```
.text, #text, p{  
    color:rgb(240, 102, 222)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(240, 102, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 102, 222) }
```

Border

The CSS property to change the border of an element to Yxy 33.3019, 0.3370, 0.2083 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(240, 102, 222) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(240, 102, 222) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(240, 102, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 102, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 102, 222);  
box-shadow:4px 4px 4px 4px rgb(240, 102,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3019, 0.3370, 0.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 102, 222) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(240,  
102, 222) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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